

Warmley
Rural District Council.



ANNUAL



 **REPORT**

OF THE

Medical Officer of Health
for the Year 1908.



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WARMLEY RURAL DISTRICT COUNCIL.

ANNUAL REPORT

. . . 1908, . . .

Of the Medical Officer of Health.

GENTLEMEN,—

I have much pleasure in handing you my Report for 1908. While doing so, please allow me to thank you for the uniform courtesy and kindness extended to me during the year.

I propose following the course adopted last year in regard to the order in which each subject is taken up.

PHYSICAL FEATURES OF THE DISTRICT.

The whole district, roughly speaking, lies on the coal measures.

Pennant stone crops up here and there and is largely quarried for various purposes. In Soundwell, overlying the pennant, a bed of useful clay is found. Upon the whole we have a dry soil which renders drainage easy and effectual.

The inhabitants chiefly belong to the working class. The staple industries are shoe-making (in which men and women are engaged), mining, chiefly of coal, tailoring, stay-making, stone-quarrying, brick-making and market gardening. There are several large dairy-farms, the milk from which is mostly sold in the neighbouring districts. The workers who are engaged in the various factories work as a rule under better sanitary conditions than those who work at home, any sort of shed or out-house being considered good enough for the latter. The coal-miners work in well ventilated mines and do not seem less healthy than other members of the community. Phthisis is not common, Emphysema being more or less prevalent amongst the older generation of colliers.

HOUSE ACCOMODATION.

Upon the whole is good and ample. Some of the very old cottages might well be done away with. A few cases of overcrowding have been attended to.

SEWERAGE AND DRAINAGE.

A drainage scheme was carried out in Mangotsfield some years ago and nearly the whole parish is drained to Outfall Works at Moorend by a water carriage system. The sewers act quite satisfactorily.

A large number of good class houses in the district have closets with no flushing tanks opening into a back kitchen where very often cooking is done and food left lying about. When the hand flushing is neglected, as it very often is, they constitute a grave danger to health. The rest of the district is drained into cesspools and brooks, which when not cleaned out properly or when the weather is dry constitute a source of danger to the public health.

- (a). SISTON BROOK. This has now been cleaned and widened and is in a satisfactory condition.
- (b). BITTON DRAINAGE. Some septic tanks have been put in and this is now satisfactory.

SCAVENGING.

The removal of house refuse is undertaken by the Council in Mangotsfield. In other parts of the district the tenants remove the refuse.

I would recommend that the Council obtain properly covered carts or at any rate insist upon a sheet being used on the carts now in use.

LIGHTING.

In Mangotsfield gas and oil lamps with incandescent burners are used. A few lamps are added each year.

FIRE BRIGADE.

This useful body of men is now more or less fully equipped and did good service during the year at three fires at least.

WATER SUPPLY.

The West Gloucestershire Water Co. supplies nearly the whole district. Twenty-five new connections have been made during the year. Other supplies are wells which should always have good copings and be kept free from pollution.

SLAUGHTER HOUSES.

Are in a satisfactory condition. Pig-killing in back-yards, etc., still goes on causing more or less of a nuisance.

DAIRIES, COWSHEDS, & MILKSHOPS.

These have been periodically inspected with satisfactory results. The Milk mostly goes direct from the dairy to the consumer. The dairies, generally speaking, are well lighted, well ventilated, clean, and have plenty of air space. The water supply and drainage was satisfactory. One or two of the smaller dairies were advised to clean up and keep clean.

BAKEHOUSES.

Are mostly up-to-date and contain the latest improvements.

FACTORIES & WORKSHOPS.

There are not many in your district and are generally well-conducted.

SCHOOLS.

There are eleven in the district. They are kept clean and are well supplied with water, privy accommodation, etc. One school at Oldland Common had to be closed during the early part of the year owing to a severe outbreak of measles.

INFECTIOUS DISEASES.

Sixty-two cases were reported during the year. The summer months were exceptionally free from infectious diseases.

There were 25 cases of Diphtheria with three deaths (one case died at the Bristol Isolation Hospital), 19 cases of Scarlet Fever (of which two from the Cottage Homes, Downend, were removed to the Southmead Workhouse Hospital), 16 cases of Erysipelas, 1 of Enteric Fever which was imported from Bristol and one of Puerperal Fever which died.

MEASLES was very prevalent in the Cadbury Heath, Oldland and Soundwell districts during the early part of the year, necessitating the closing of the Oldland Common School. There were no deaths reported.

INFLUENZA as usual was rather severe during the first part of the year. No deaths reported.

ENTERITIS. One death.

DIARRHŒA. Three deaths.

MUMPS. A few cases but no death.

WHOOPING-COUGH was common during March and April. Two deaths.

PHTHISIS. 13 cases died during the year and 7 of other tubercular diseases.

VITAL STATISTICS—

Acreage, 9682 (estimated).

Population, 1897, 15,500,

„ 1901, 15,954.

„ 1908, 17,760 (estimated to middle of year.)

BIRTHS.—Total number 428 as against 463 last year. Average per 1000 being 24·09 against 26·1 last year, and 27·8 for the last ten years. The steady decrease is maintained.

DEATHS.—Total number 207 as against 210 last year giving a rate of 11·6 per 1000.

INFANT MORTALITY.—The Total number of deaths under one year of age was 41 giving a rate of 95·7 per 1000, the average for the last ten years being 120·4.

ZYMOTIC DEATH-ROLL.—Pertussis 1, Diphtheria 9, Enteritis 1, Puerperal Fever 1.

VITAL STATISTICS FOR MANGOTSFIELD.—

Population 1901, 8,815

„ 1908, 9,572 (estimated to middle of year).

BIRTHS.—253. Rate 26·5 per 1000.

DEATHS.—128. Rate 13·3 per 1000.

INFANTILE MORTALITY.—28. Rate 2·9.

ZYMOTIC DISEASES.—Total Deaths.—Diphtheria, 8 ; Rate ·8 per 1000

SEWAGE WORKS.

I have visited the works and find everything in good working order.

I conclude with thanks to my fellow officers for their kind co-operation.

D. W. REESE,

Medical Officer of Health.

TABLE I.

Vital Statistics of whole District during 1908 and previous years.

YEAR.	Population estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Institutions in the District.	Deaths of Non-Residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NET DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number	Rate*	Under 1 Year of Age.		At all Ages.					Number	Rate*
				Number	Rate per 1000 Births registered	Number	Rate*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1898	15700	491	31·27	67	136·4	237	15·09	None in the district.	...	9	246	15·67
1899	15950	507	31·78	89	175·5	256	18·03		...	0	256	18·03
1900	16200	449	27·71	56	122·4	211	13·02		...	4	215	13·21
1901	16422	463	28·73	64	138·2	216	13·40		...	9	225	13·96
1902	16510	496	30·04	64	129·0	215	13·22		...	12	227	13·74
1903	16830	460	27·33	42	91·0	170	10·10		...	7	177	10·51
1904	17051	456	26·74	60	131·5	236	13·84		...	8	244	14·31
1905	17120	447	26·11	57	127·5	231	13·49		...	7	238	13·9
1906	17366	428	24·6	46	107·5	180	10·3		...	16	196	11·28
1907	17582	463	26·1	34	73·4	200	11·3		...	17	210	12·3
Averages for years 1898-1907	16673·1	465	27·8	56·9	120·4	215·2	12·8	...	...	8·9	222·4	13·3
1908	17760	428	24·9	41	95·7	197	11·03	...	..	10	207	11·6

* Rates in Columns 4, 8, and 13 calculated per 1000 of estimated population. Area of District in acres (exclusive of area covered by water), 9,682. Total population at all ages, 15,954; Number of inhabited houses, 3,625; Average number of persons per house, 4·4 (at Census of 1901). Institutions outside the District receiving sick and infirm persons from the District... Union Workhouse; Royal Infirmary, General Hospital, and Convalescent Home, Children's Hospital, Bristol; Asylum for Insane, Gloucester.

TABLE II.

Vital Statistics of separate Localities in 1908 and previous years.

YEAR.	NAMES OF LOCALITIES.							
	WHOLE DISTRICT				PARISH OF MANGOTSFIELD.			
	Population esti- mated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year	Population esti- mated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 Year.
1898	15700	491	237	67	...	...	...	...
1899	15950	507	256	89	...	...	...	...
1900	16200	449	211	56	...	...	...	...
1901	16422	463	216	64	8815	262	134	38
1902	16510	496	215	64	9000	270	120	33
1903	16830	460	170	42	9180	264	88	17
1904	17051	456	236	60	9300	256	148	34
1905	17120	447	238	57	9314	284	143	33
1906	17366	428	196	46	9316	262	96	20
1907	17582	463	210	35	9478	261	122	16
Averages of Years 1898-1907 }	16673·1	465	215·2	56·9	9200	265	85·1	19·1
1908	17760	428	207	41	9572	253	128	28

TABLE III.

Cases of **Infectious Disease** notified during the year 1908.

NOTIFIABLE DISEASE	CASES NOTIFIED IN WHOLE DISTRICT.							Total Cases Notified in each Locality.	No. of Cases removed to Hospital from each locality.
	At all Ages.	At Ages—Years.							
		Under I	I to 5	5 to 15	15 to 25	25 to 65	65 and up- wards		
Small-pox ...	...	...	...	...	...	...	...	...	...
Cholera' ...	...	...	...	...	...	...	...	...	...
Diphtheria (includ- ing Mem. Croup)	25	...	8	15	2	...	...	25	...
Erysipelas ...	16	...	...	4	...	10	2	11	...
Scarlet fever ...	19	I	10	8	...	...	...	I	...
Typhus fever ...	...	...	...	...	...	...	...	...	...
Enteric fever ...	I	...	...	...	...	I	...	I	...
Relapsing fever ...	...	...	...	...	...	...	...	...	...
Continued fever ...	...	...	...	...	...	...	...	...	...
Puerperal fever ...	I	...	...	...	...	I	...	I	...
Plague ...	...	...	...	...	...	...	...	...	...
Totals ...	62	I	18	27	2	12	2	39	...

Isolation Hospital—Keynsham Isolation Hospital, in Keynsham Parish.

Total available beds 16—20.

TABLE IV.

Causes of, and Ages at, Death, during the year 1908.

CAUSES OF DEATH. I	Deaths in or belonging to whole District at subjoined Ages.							Total Deaths in Public Institu- tions in the District.
	All ages. 2	Under 1 year. 3	I and under 5 4	5 and under 15 5	15 and under 25 6	25 and under 65 7	65 and up- wards 8	
Smallpox	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...
Scarlet fever	...	...	...	...	...	...	...	...
Whooping-cough	2	1	1	...	...	...	...	...
Diphtheria and membr'ous croup)	9	...	3	6	...	...	...	1
Croup	...	...	...	...	...	...	...	...
Fever {	Typhus	...	...	...	...	...	...	...
	Enteric	...	...	...	...	...	...	...
	Other con- tinued	...	...	...	...	...	...	...
Epidemic influenza	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...
Diarrhœa	3	3	...	...	...	...	...	...
Enteritis	1	1	...	...	...	...	...	...
Puerperal fever	1	...	...	...	...	1	...	...
Erysipelas	...	...	...	...	...	...	...	...
Phthisis	13	...	...	...	4	9	...	...
Other tubercular diseases... ..	7	...	...	...	4	3	...	...
Cancer, malignant disease... ..	11	...	...	...	8	3	...	...
Bronchitis	23	6	2	1	0	7	7	...
Pneumonia	13	4	3	0	0	3	3	...
Pleurisy	2	...	...	...	...	1	1	...
Other diseases of respiratory organs	...	...	...	...	...	...	...	...
Alcoholism	...	...	...	...	...	...	...	...
Cirrhosis of liver	...	...	...	...	...	...	...	...
Venereal diseases	...	...	...	...	...	...	...	...
Premature birth	11	11	...	...	...	...	...	...
Diseases and acci- dents of parturition	3	3	...	...	...	...	...	...
Heart diseases	31	0	2	1	2	15	11	2
Accidents	6	1	1	...	1	3	...	1
Suicides	1	...	...	...	...	...	...	...
Hodgkin's Disease	1	...	...	...	...	1	...	...
Senile decay	14	...	...	...	...	...	14	...
Bright's Disease	3	...	...	...	...	3	...	...
Marasmus	4	4	...	...	...	...	...	...
Rheumatism	2	...	...	1	...	...	1	...
All other causes	46	7	4	4	12	13	16	6
All causes	207	41	16	13	22	62	53	10

In recording the facts under the various headings of Tables I, III, and IV, attention has been given to the notes on the Tables.

D. W. REESE, Medical Officer of Health.

TABLE V.

RURAL DISTRICT OF WARMLEY.

INFANTILE MORTALITY during the year, 1908.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH,	Under 1 Week	1-2 Week.	2-3 Weeks	3-4 Weeks.	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year,
ALL CAUSES :—																	
Certified ...	14	2	2	4	22	6	4	1	1	1	2	1	2	0	0	1	41
Uncertified ...																	
COMMON INFECTIOUS DISEASES :—																	
Small-pox ...																	
Chicken-pox ...																	
Measles ...																	
Scarlet Fever ...																	
Diphtheria : Croup																	
Whooping Cough													1				
DIARRHOEAL DISEASES :—																	
Diarrhoea, all forms ...						1			1				1				
Enteritis (not Tuberculous)						1											
Gastritis, Gastro-intestinal Catarrh																	
WASTING DISEASES :—																	
Premature Birth ...	6	2	1	1		1											
Congenital Defects ...	1																
Injury at Birth ...	3																
Want of Breast-milk																	
Atrophy, Debility, Marasmus				3			1										
TUBERCULOUS DISEASES :—																	
Tuberculous Meningitis	1																
Tuberculous Peritonitis	*																
Tabes Mesenterica																	
Other Tuberculous Diseases																	
Erysipelas ...																	
Syphilis ...																	
Rickets ...																	
Meningitis (Not Tuberculous)																	
Convulsions ...			1			1	1										
Bronchitis ...						1	1	1			2	1					
Laryngitis ...																	
Pneumonia ...						1	1			1						1	
Suffocation, overlaying	1																
Other Causes ...	2																
	14	2	2	4	22	6	4	1	1	1	2	1	2	0	0	1	41

District of Warmley. Population (estimated to middle of 1908), 17,760.

Births in the year { legitimate } 428 Deaths in the year, under 1 year, 41.

Deaths from all Causes, at all Ages, 207.

TABLE VI.

RAINFALL IN 1908, AT PUCKLECHURCH VICARAGE, in the County of Gloucester.

RAIN GAUGE—

Diameter of Funnel : 5 inches. Height of Top : above ground, 10 inches ;
above sea level, 370 feet.

Month	Total Depth.	Greatest fall in 24 hours.		No. of Days on which ·01 or more fell.
		Inches.	Date	
January ...	1·66	·92	7	17
February ...	1·77	·55	16	19
March ...	2·91	·6	24	22
April ...	3·05	·64	29	15
May ...	1·39	·19	30	16
June ...	·21	·08	11	5
July ...	2·22	·86	16	12
August ...	4·54	1·22	23	13
September ...	2·28	·6	20	24
October ...	1·75	·66	18	19
November ...	1·26	·2	21	16
December ...	2·51	·33	9	25
Total ...	25·55			203

(Signed) S. G. GILLUM.

To the Warmley Rural District Council.

GENTLEMEN,—

I have pleasure in submitting my report showing the amount of work done in your district during the year 1908.

Infectious diseases	...	...	...	62
No. of houses disinfected	...	...	...	60
Nuisances abated	...	...	...	39
Gipsies Vans removed	...	...	...	50
Dairies, Cowsheds, and Milkshops Inspected			...	58
Swine Nuisances Reported	...	...	...	20
Swine Nuisances Abated	...	...	...	20
Slaughter Houses Inspected...		...	...	11
Bakehouses Inspected	...	...	...	23
Factories and Workshops and Workplaces Inspected.				
			A large number.	
Total No. of Complaints received	...		...	41
Articles of Bedding and Clothing Disinfected				
After Infectious Diseases—Too numerous to mention.				
Cases Visited and Reported upon	...		...	71

C. R. CROSS,

Inspector.

Copy of Form which Medical Officers of Health in the County of Gloucester are requested by the Sanitary Committee of the County Council to fill up.

TABLE C. 1908.

Housing—

Number of Plans submitted	...	...	...	...	21
Number of Houses built	...	...	...	...	23
Number of Houses cleansed under sec. 46, Public Health Act, 1875,					None.
Number of Houses closed under sec. 32, Housing of Working					
Classes Act, 1890	...	...	...	...	None.
Number of Houses placed in habitable repair			...	...	None.
Number of Houses demolished	...	...	...	...	None.
Number of cases of overcrowding abated	...	...	...	...	1

Sewerage and Drainage—

Has any application for a Loan been made?	...	...	...	No.
Number of Houses newly connected with sewers	...	...	...	31
Number of W.C.'s supplied with water	...	...	...	17
Number of Earth Closets, Pail Closets, or Improved Privies constructed				5
Number of notices served to empty "Privy Vaults"	...	...	...	6

Refuse Disposal—

Has any change been made in the arrangements for the removal or disposal of house refuse?	...	...	...	No.
---	-----	-----	-----	-----

Water Supply—

Has there been any change in the existing sources of supply?				
The West Gloucestershire Water Co., made 25 connections during the year.				
Number of new connections with public supply?	...	...	...	25
Number of wells sunk, or improved sources or supply provided	...	...	...	None.
Number of wells closed	...	...	...	None.
Number of samples taken for examination	...	...	...	6

Numbers inspected of each of the following—

Common Lodging Houses	...	...	...	...	None.
Slaughter Houses	...	...	...	...	11
Bakehouses	...	...	...	...	23
Daries, Cowsheds, Milkshops	...	...	...	...	58
Canal Boats	...	...	...	...	None.
Workshops	...	...	...	...	51
Residence of out-workers	...	...	...	...	215

Elementary Schools—

Number in District	...	...	...	...	11
Number of insanitary conditions dealt with	...	...	...	...	None.
Are the sources of water supply satisfactory?	...	...	...	...	Yes.

Infectious Diseases—

Number of cases visited and reported on	...	...	...	62
Number of houses disinfected	...	...	..	60

Isolation Hospital Accomodation—

Has any change in the exisiting conditions been made	...	No.
--	-----	-----

General—

Number of complaints received	...	...	...	41
Total number of nuisances reported	...	...	...	75
Number of swine nuisances reported	...	...	...	20
Total number of nuisances abated	...	...	...	39
Total number of notices served	...	...	...	27
Total number of statutory notices served	...	...	...	None.
Total number of summonses taken out	...	...	...	None.
Total number of convictions	...	...	...	None.

Any Suggestion of the Medical Officer of Health—

Covered carts for the removal of refuse.
 One or two more filter beds at the works.
 More flushing tanks in houses.

SUMMARY OF VITAL STATISTICS.

Population of district estimated to middle of 1909, 17,760.

	No.	Rate per 1000.
Births	428	24·09
Deaths	197	11·03
Under 1 year	41	95·7
Smallpox	0	0
Scarlet Fever	0	0
Diphtheria(including Membranous Croup)	9	·5
Fever	0	0
Measles	0	0
Whooping Cough	2	·1
Diarrhœa	3	·16
Zymotic	14	·7
Phthisis	13	·7
Cancer, Malignant Disease	11	·6
Enteritis	1	·05
Respiratory Diseases	38	2·1

D. W. REESE,

Medical Officer of Health to the Warmley Rural District.

To the Warmley Rural District Council.

Factories and Workshops Act.

GENTLEMEN,—

I have pleasure in presenting the Annual Report in respect of Factories, Workshops, and Workplaces within the Councils district for the year, 1908. I have periodically visited all the factories and workshops together with a large number of the houses or workplaces where the work is done, and on the whole they have been found to be in a satisfactory condition.

C. R. CROSS,

Inspector.

Administration of the Factory and Workshop Act, 1901,
in connection with

Factories, Workshops, Laundries, Work- places, and Homework.

Factories (including Factory Laundries)...	...	...	9
Workshops (including Workshop Laundries)	...	...	43
Total	...	...	52

2.—DEFECTS.

Insufficient Sanitary Accommodation Found	...	...	None.
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3.—HOMEWORK.

Outworkers' lists received from Employers twice in the year.

Nature of Work		Lists.	Outworkers.
Wearing Apparel (Making, &c.)	...	36	834
Bootmaking		16	299
Total	...	52	1133

No. of Addresses of Outworkers received from other Councils

Nature of Work			
Wearing Apparel (Making, etc.)	...	...	701
Bootmaking		...	56
Total	...	...	757

No. of Outworkers' Addresses forwarded to other Councils

Nature of Work.

Wearing Apparel (Making, &c.)	...	...	75
-------------------------------	-----	-----	----

No. of Inspections of Outworkers' Premises—A considerable number.

4.—REGISTERED WORKSHOPS.

Workshops on register at the end of the year:—

Bakehouses	...	...	23
Laundries	...	...	2
Workshops	...	...	27
Total	...	...	52

Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act—3, notified by H.M. Inspector.

Public Health Surveyor's Report, **1908.**

GENTLEMEN,—

The general depression in trade throughout this part of the country has been particularly felt at Warmley, and the effect has been a great reduction in the number of New Buildings erected during the year.

The plans for New Streets and Buildings considered and approved by your Council number only 21 for the year against 52 in 1907.

The sewerage system in Mangotsfield Parish has worked well and about $\frac{1}{2}$ a mile of new sewers have been added, 100 yards of which was laid by the Council.

The Sewage Disposal Works have continued to give good results as may be seen from the following figures in parts per 100,000.

		Albuminoid Ammonia.	Oxygen absorb'd in 4 hours.	Nitrates.
Crude Sewage	...	·600	8·57	—
Effluent		·150	1·28	·520

The Fire Brigade, under the direction of Capt. Job Smith, has rendered efficient service at 3 fires, one of which was of a serious nature.

The Brook dividing the Urban District of Kingswood from your district has been cleansed at the joint expense of both Districts, under my supervision, and the result is so far satisfactory, and upon the completion of the Warmley section of the Kingswood Drainage Scheme, which is now well in hand, it is hoped that this stream will be entirely free from sewage pollution.

Your obedient servant,

HENRY M. BENNETT,

The Warmley Rural District Council.

URBAN POWERS IN FORCE IN THE DISTRICT.

PUBLIC HEALTH ACT, 1875—

Sec. 25—Whole district.

„ 26—(1) All except Hanham Abbots.

„ 44—Whole district.

„ 66—Mangotsfield only.

„ 112—Whole district.

„ 113— „

„ 114— „

„ 115— „

„ 155— „

„ 157— „

„ 158— „ (except Hanham Abbots).

„ 160— „

„ 151—(1) Mangotsfield only.

„ 169—Whole district (except part 1).

„ 170— „

„ 171—(As to fires) Mangotsfield only.

PUBLIC HEALTH BUILDINGS IN STREETS ACT, 1888—

Sec. 3.

PUBLIC HEALTH ACTS, AMENDMENT ACT, 1890—

Sec. 3—Whole district ; Part 2—Whole district.

TOWNS POLICE ACT, 1874—Whole district.

Sec. 28—Paragraphs as 13, 17, 19, 24 and 30

„ 29—

„ 32—

„ 33—

PRIVATE STREETS WORKS ACT, 1892—

Mangotsfield, Downend Park, Park Road, North View
and Albert Road.